This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A method for managing identification in a data communications network, the method comprising:

receiving a portable user-controlled secure storage device;

enrolling a user of said portable user-controlled secure storage device with an authority network site, said enrolling comprising providing information requested by said authority network site;

receiving user data in response to said enrolling;

storing said user data in said portable user-controlled secure storage device;

enabling said portable user-controlled secure storage device to release said user data; and

using said user data, from said portable user-controlled secure storage device, at a service provider network site to obtain a service.

2. (Currently Amended) A method for managing identification in a data communications network, the method comprising:

receiving a portable user-controlled secure storage device;

enrolling a user of said portable user-controlled secure storage device with an authority network site, said enrolling comprising providing information requested by said authority network site;

receiving user data in response to said enrolling, said user data comprising a first portion and a second

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portion, said first portion comprising a cryptogram computed based on said second portion;

storing said user data in said portable user-controlled secure storage device;

enabling said portable user-controlled secure storage device to release said user data; and

using said user data, from said portable user-controlled secure storage, at a service provider network site to obtain a service.

3. (Previously Presented) A method for managing identification in a data communications network, the method comprising:

presenting an identity credential request and data to be stored to a federated identity server via a client host;

receiving an identity credential in response to said identity credential request, said identity credential comprising a randomized ID and an identification authority ID, said federated identity server capable of verifying the truthfulness, accuracy and completeness of said data to be stored;

presenting a service request and said identity credential to a service portal, said service portal configured to issue an authentication request to said federated identity server;

receiving a logon credential in response to said service request, said login credential comprising an indication of the client host used by the user; and

using said logon credential to obtain a service from a service provider accessible via said service portal.

4. (Currently Amended) A program storage device readable by a machine, embodying a program of instructions executable by

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the machine to perform a method for managing identification in a data communications network, the method comprising:

receiving a portable user-controlled secure storage device;

enrolling a user of said portable user-controlled secure storage device with an authority network site, said enrolling comprising providing information requested by said authority network site;

receiving user data in response to said enrolling;

storing said user data in said portable user-controlled secure storage device;

enabling said portable user-controlled secure storage device to release said user data; and

using said user data, from said portable user-controlled secure storage device, at a service provider network site to obtain a service.

5. (Currently Amended) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for managing identification in a data communications network, the method comprising:

receiving a portable user-controlled secure storage device;

enrolling a user of said portable user-controlled secure storage device with an authority network site, said enrolling comprising providing information requested by said authority network site;

receiving user data in response to said enrolling, said user data comprising a first portion and a second portion, said first portion comprising a cryptogram computed based on said second portion;

storing said user data in said portable user-controlled secure storage device;

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enabling said portable user-controlled secure storage device to release said user data; and

using said user data, from said portable user-controlled secure storage device, at a service provider network site to obtain a service.

6. (Previously Presented) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for managing identification in a data communications network, the method comprising:

presenting an identity credential request and data to be stored to a federated identity server via a client host;

receiving an identity credential in response to said identity credential request, said identity credential comprising a randomized ID and an identification authority ID, said federated identity server capable of verifying the truthfulness, accuracy and completeness of said data to be stored;

presenting a service request and said identity credential to a service portal, said service portal configured to issue an authentication request to said federated identity server;

receiving a logon credential in response to said service request, said login credential comprising an indication of the client host used by the user; and

using said logon credential to obtain a service from a service provider accessible via said service portal.

7. (Currently Amended) An apparatus for managing identification in a data communications network, the apparatus comprising:

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means for receiving a portable user-controlled secure storage device;

means for enrolling a user of said portable user-controlled secure storage device with an authority network site, said enrolling comprising providing information requested by said authority network site;

means for receiving user data in response to said enrolling;

means for storing said user data in said portable user-controlled secure storage device;

means for enabling said portable user-controlled secure storage device to release said user data; and

means for using said user data, from said portable user-controlled secure storage device, at a service provider network site to obtain a service.

8. (Currently Amended) An apparatus for managing identification in a data communications network, the apparatus comprising:

means for receiving a portable user-controlled secure storage device;

means for enrolling a user of said portable user-controlled secure storage device with an authority network site, said enrolling comprising providing information requested by said authority network site;

means for receiving user data in response to said enrolling, said user data comprising a first portion and a second portion, said first portion comprising a cryptogram computed based on said second portion;

means for storing said user data in said portable user-controlled secure storage device;

means for enabling said portable user-controlled secure storage device to release said user data; and

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means for using said user data, from said portable user-controlled secure storage device, at a service provider network site to obtain a service.

9. (Previously Presented) An apparatus for managing identification in a data communications network, the apparatus comprising:

means for presenting an identity credential request and data to be stored to a federated identity server via a client host;

means for receiving an identity credential in response to said identity credential request, said identity credential comprising a randomized ID and an identification authority ID, said federated identity server capable of verifying the truthfulness, accuracy and completeness of said data to be stored;

means for presenting a service request and said identity credential to a service portal, said service portal configured to issue an authentication request to said federated identity server;

means for receiving a logon credential in response to said service request, said login credential comprising an indication of the client host used by the user; and

means for using said logon credential to obtain a service from a service provider accessible via said service portal.

10. (Cancelled)

11. (Cancelled)

12. (Currently Amended) A method for protecting privacy on a data communications network, the method comprising:

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storing user logon information for at least one service provider server on a portable user-controlled secure device, said at least one service provider server comprising at least one network server that is capable of providing a service to a user; and

logging on to said portable user-controlled secure device, said logging on providing access to said at least one service provider server.

13. (Cancelled)

14. (Cancelled)

15. (Currently Amended) An apparatus for protecting privacy on a data communications network, the apparatus comprising:

means for storing user logon information for at least one service provider server on a portable user-controlled secure device, said at least one service provider server comprising at least one network server that is capable of providing a service to a user; and

means for logging on to said portable user-controlled secure device, said logging on providing access to said at least one service provider server.

16. (Cancelled)

17. (Cancelled)

18. (Currently Amended) An apparatus for protecting privacy on a data communications network, the apparatus comprising:

means for storing user logon information for at least one service provider server on a portable user-controlled

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secure device, said at least one service provider server comprising at least one network server that is capable of providing a service to a user; and

means for logging on to said portable user-controlled secure device, said logging on providing access to said at least one service provider server.

19. (Original) A memory for storing data for access by an application program being executed on a data processing system, comprising:

a data structure stored in said memory, said data structure including a bit-mapped field associated with a data communications network user, the value of each bit in said field determined by whether said user is a member of a group associated with said bit, the mapping for between bits in said field and membership in a group maintained by an aggregation authority.

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